

METHOD FOR ANALYZING OUTPUT DATA OF
ARRAY SUBELEMENTS OF AN IMAGING SEGMENTED ARRAY

ABSTRACT OF THE DISCLOSURE

5 A position of a feature in a scene is located by forming an image of the
feature using a segmented array having a plurality of array subelements. Each of
the array subelements has an output signal. The output signals from at least two
spatially adjacent array subelements are cooperatively analyzed to establish a data
set reflective of an extent to which output signals responsive to the image of the
feature are produced from exactly one or from more than one of the adjacent array
10 subelements. The data set is used to reach a conclusion as to a location of the
image of the feature on the segmented array. Increased positional accuracy is
attained with no loss of sensitivity.